## WHAT IS CLAIMED IS:

- 1 1. A liquid ejecting head, comprising:
- a passage unit, having a nozzle opening, a pressure generating chamber
- 3 communicating with the nozzle opening, and a reservoir holding a liquid to be
- 4 supplying to the pressure generating chamber;
- 5 a head case, on which the passage unit is attached;
- a pressure generating element for applying variance of pressure to the
- 7 pressure generating chambers, accommodated in a space defined in the head
- 8 case; and
- a head substrate, closing an opening of the space of the head case,
- wherein an air sealing member is disposed between the head case and the
- 11 head substrate.
- 1 2. The liquid ejecting head as set forth in claim 1, wherein the air sealing
- 2 member is disposed between a sealing end face being opposed to a passage unit
- 3 side of the head case and the head substrate.
- 1 3. The liquid ejecting head as set forth in claim 1, wherein the air sealing
- 2 member is disposed so as to surround a periphery of the openings of the head.
- 1 4. The liquid ejecting head as set forth in claim 1, wherein the air sealing
- 2 member is comprised of a low elastic material.
- 1 5. The liquid ejecting head as set forth in claim 4, wherein the low elastic

- 2 material is a gel material.
- 1 6. The liquid ejecting head as set forth in claim 2, wherein the air sealing
- 2 member is a molded elastic part.
- 1 7. The liquid ejecting head as set forth in claim 2, wherein the air sealing
- 2 member is an elastic sealing material having semi-fluidity.
- 1 8. The liquid ejecting head as set forth in claim 1, wherein an opening through
- which a conducting wire is passed is formed on the head substrate; and
- wherein the opening of the head substrate is sealed.
- 1 9. The liquid ejecting head as set forth in claim 1, wherein a through hole for
- 2 leaking a gas formed on the head substrate is sealed by a sealing treatment.
- 1 10. The liquid ejecting head as set forth in claim 1, wherein the liquid ejecting
- 2 head is served for an ink jet recording apparatus.
- 1 11. The liquid ejecting head as set forth in claim 1, wherein a groove is formed
- 2 on either the head case or the head substrate; and
- wherein the air sealing member is disposed in the groove.
- 1 12. The liquid ejecting head as set forth in claim 11, wherein a protrusion is
- 2 formed on either the head case or the head substrate so that the protrusion is
- 3 opposed to the groove formed on other one of either the head case or the head

- 4 substrate; and
- wherein the air sealing member disposed in the groove is crushed by the
- 6 protrusion.
- 1 13. A liquid ejecting head, comprising:
- a passage unit, having a nozzle opening, a pressure generating chamber
- 3 communicating with the nozzle opening, a reservoir holding a liquid to be supplying
- 4 to the pressure generating chamber, and a vibrating plate closing openings of the
- 5 pressure generating chamber and the reservoir;
- a head case, on which the passage unit is attached; and
- a pressure generating element for applying variance of pressure to the
- 8 pressure generating chambers, accommodated in a space defined in the head
- 9 case,
- wherein an air sealing member is disposed between the head case and the
- 11 pressure generating element so as to form a space portion defined between the
- vibrating plate and the air sealing member.
- 1 14. The liquid ejecting head as set forth in claim 13, wherein a plurality of
- 2 pressure generating elements are accommodated in the space of the head case.
- 1 15. The liquid ejecting head as set forth in claim 13, wherein the pressure
- 2 generating element has an elongated shape in which a longitudinal direction thereof
- 3 is parallel to a vibrating direction of the vibrating plate.
- 1 16. The liquid ejecting head as set forth in claim 13, wherein a space portion

- between an inside face of the space in the head case and the pressure generating
- 3 element is formed to be narrow toward the side of the vibrating plate.
- 1 17. The liquid ejecting head as set forth in claim 16, wherein the air sealing
- 2 member is disposed at a part of the space portion which becomes narrower.
- 1 18. The liquid ejecting head as set forth in claim 13, wherein the air sealing
- 2 member is comprised of a low elastic material.
- 1 19. The liquid ejecting head as set forth in claim 18, wherein the low elastic
- 2 material is a gelled material.
- 1 20. The liquid ejecting head as set forth in claim 13, wherein the air sealing
- 2 member has insularity.
- 1 21. The liquid ejecting head as set forth in claim 13, wherein the liquid ejecting
- 2 head is served for an ink jet recording apparatus.